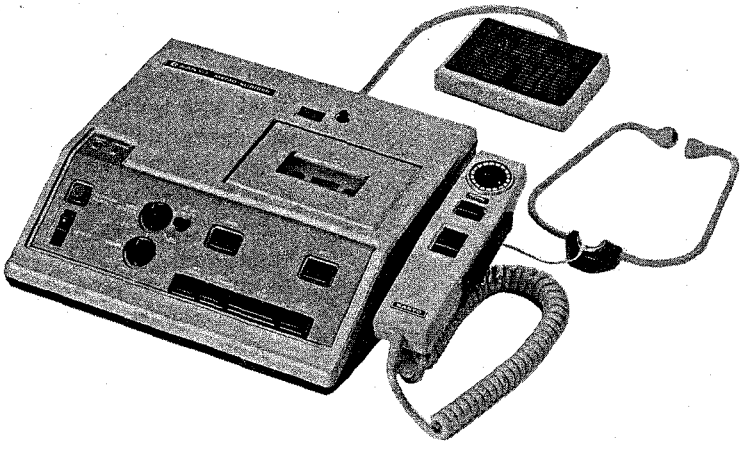
SANYO

SANYO
MEMO-SCRIBER
TRC 8000
TRC 8000Z
SERVICE MANUAL



SPECIFICATIONS

Recording system	AC bias, double track
Erasing system	DC erase, Quick erase
Tape speed	1-7/8 ips. (4.75 cm/sec)
Recording time	60 min. on double track (C-60)
Rewind & Fast forward time	1'25" (C-60)
Frequency response	100 - 8,000 Hz
Wow & Flutter	0.3% RMS
Signal to noise ratio	40 dB
Input	MIC: Switch to Dictate 3.5 KΩ / Conference 10 KΩ
	REC IN: 10 KΩ
Output	EARPHONE : 8 Ω
Transistors	12
Diodes	16
Output power	600mW maximum
Power source	AC: 120/200/240V (TRC8000)
	AC: 110/220/240V (TRC8000Z)
Speaker	2-3/4" x 1-3/4" P.D.S (70 x 45 mm)
Dimension (Approx.)	3-3/16" x 9-1/2" x 11-3/4" (80 x 240 x 300 mm)
Weight (Approx.)	8.3 lbs. (3.8 kg)

MECHANICAL ADJUSTMENT

To measure the torque of the tape recorder, a torque gauge (Fig. 1) and a tension gauge are necessary. To use a tension gauge, make a hole in the side of the Cassette as shown in Fig. 2.

Be careful that the tape does not rub against the edge of the Cassette; these will make correct measurement impossible.

1. **Take-up torque (measure with torque gauge)**

Play	40 gr/cm
Fast forward	60 gr/cm
Rewind	60 gr/cm

2. **Back tension (measure with tension gauge)**

Play	2~15 gr/cm
Fast forward	2~15 gr/cm
Rewind	2~15 gr/cm

3. **Tape tention**

As shown in Fig. 3 cut off a length of tape. Tie one end to a thread connected to the tention gauge, and leave the other end hanging loose. Place the recorder in PLAY mode and hold the tention gauge steady (do not move it to left or right).

When the tape stops, read the tention gauge. If this reading falls within the range of 50 – 200 gr. no adjustment is needed. If it does not fall within this range, adjust the pinch roller pressure. This is done by bending the hole position of the coil spring (141-2-852T-66900).

Clean the pinch roller (with alchol only) so that the tape will not slip.

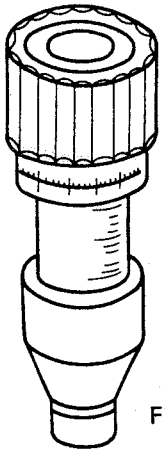


Fig. 1

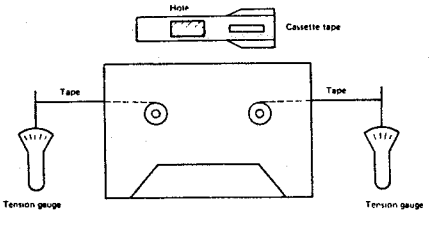


Fig. 2

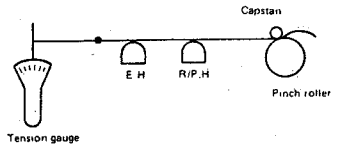


Fig. 3

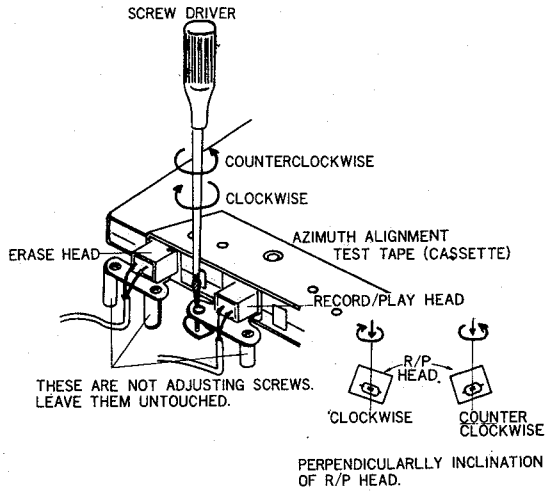


Fig. 4

4. **Record/Play Head Azimuth Adjustment**

Maximum output and frequency response can be obtained only when the Record/Playback head is correctly aligned for azimuth. Azimuth alignment refers the positioning of the head in respect to the tape which passes across it during recording and playback. Since the head adjustment screw is set and sealed at the factory, adjustment should not be required unless the screw has been accidently put out of adjustment in same manner.

If a Record/Playback head becomes defective, it will be necessary to align the now head for correct azimuth after installation.

To do so, proceed as follows;

a. Thread a pre-recorded test tape (cassette type) (7 KHz standard frequency tape) into the recorder.

b. Connect an AC VTVM to across the speaker voice coil terminals. To make this connection without removing the recorder from the cabinet, connect an external speaker or a dummy load resistor (same impedance as that of the speaker voice coil) to the earphone jack.

Note: Set the voltmeter on the 1.5 VAC scale.

c. Depress the PLAY button and turn the volume control knob until maximum.

d. Rotate the head adjustment screws clockwise or counterclockwise and continue this procedure until maximum output is obtained as indicated by the AC voltmeter.

Head Demagnetization

Magnetization of the heads may result when the continuity of the head is measured with an ohmmeter. If it is necessary to measure head continuity, the head should be demagnetized after the sontinuity check. Head magnetization is evidenced by a high residual noise (a hissing and low popping sound) when a virgin or completely erased tape is played at a high volume level. The magnetization may be neutralized by use of a standard demagnetization tool. A piece of cellulose tape should by placed over the end of the tool to prevent metal-to-metal contact between the tool and the head. After demagnetization is complete, slowly remove the tool from the vicinity of the head before the current is turned off.

6. REC. PLAY Head Bias Adjustments

The record bias current should be 0.53mA.

1. Connect VTVM across the resistor 10Ω R3.
2. Insert the blank cassette and get the set at the record position.
3. Adjust SVR 1 so that the reading or VTVM may become 5.3mV.

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Part No.	Description	Q'ty
PACKING		
141-6-132T-47000	Individual Carton	1
141-6-144T-14200	Styrol Filler, Set	1
141-6-316T-54200	Pad	1
141-6-411T-45300	Instruction Booklet	1
141-6-455T-01101	Serial Number Plate	1
141-6-472T-05603	Caution Label (TRC 8000)	1
141-6-472T-05602	Caution Label (TRC 8000Z)	1
	Poly Bag 350 x 450mm, Set	1
	Poly Bag, 80x200mm AC Cord	1
	Poly Bag, 180x250mm, Printed Matter	1
ACCESSORIES		
4-153T-07771	Microphone	1
4-149T-01500	Foot Switch	1
4-241T-09300	Cassette C-60	1
4-152T-02800	Earphone	1
CABINET		
141-0-001T-01300	Cabinet Assembly	1
141-2-111T-16000	├Cabinet	(1)
141-2-122T-08000	├Front Panel	1
141-2-132T-06400	├Sign Window, Tape Counter	1
141-2-142T-04400	├Badge	1
141-2-132T-05603	├Sign Window, REC Indicate	1
141-2-132T-05604	├Sign Window, Power Indicate	1
141-2-157T-16401	├Inlay, Reflector	1
	├Fiber Washer 2.1x5x0.5mm, Eject Spring Stopper	1

Part No.	Description	Q'ty
CABINET		
141-2-161T-14101	├Push Button, PLAY F.FWD REW	3
141-2-161T-14201	├Push Button, STOP	1
141-2-851T-62500	├Spring Coil, Slide	4
141-2-731T-22001	├Slide, PLAY REW STOP push Button	3
141-2-731T-22002	├Slide, F.FWD Push Button	1
141-2-737T-02300	└Bracket, Slide	1
141-0-007T-00200	Cassette Lid Assembly	1
141-2-124T-08101	├Cassette Lid	(1)
141-2-131T-05600	├Clear Window	1
141-2-853T-28200	├Spring Plate	2
	└Cushion 2x6x12mm	1
141-2-161T-15500	Push Button, Cassette Up	1
141-2-853T-31600	Spring Plate, Cassette Up Quick Erase	2
141-2-852T-23200	Spring Wire, Cassette Up Knob	1
141-2-751T-54200	Shaft, Cassette Up Lever	1
141-2-741T-53800	Lever, Cassette Up Lever	1
141-2-741T-49800	Lever, Cassette Up	1
141-2-851T-62600	Spring Coil, Cassette Up	1
141-2-161T-16000	Push Button, Quick Erase	1
141-2-751T-46201	Shaft, Cassette Lid Fulcrum	1
141-2-852T-21600	Spring Wire, Cassette Lid Pressure	3
141-2-751T-54200	Shaft, Spring Wire Fulcrum	1
141-0-008T-00400	Bottom Lid Assembly (TRC8000)	1
141-2-125T-04201	├Bottom Lid	(1)
141-2-141T-34700	├Rating Plate	1
141-2-157T-08000	├Inlay	1
	├Sheet 50x70mm, SP	1
	└Cushion 2x6x12mm, SP	2
141-0-008T-00500	Bottom Lid Assembly (TRC 8000Z)	1
141-2-125T-04201	├Bottom Lid	(1)
141-2-141T-36100	├Rating Plate	1
141-2-157T-08000	├Inlay	1
	├Sheet 50x70mm, SP	1
	└Cushion 2x6x12mm, SP	2
141-2-114T-00800	Frame, Mic Holder Mtg.	1
141-2-385T-01401	Bracket, Microphone	1
141-2-683T-22001	Ring, Microphone Stand	1
141-2-751T-54500	Shaft, Microphone Stand	1
	Rubber Washer 6.5x12x1mm, Microphone Stand	1
141-2-174T-81400	Rubber Stand	2
141-0-163T-03900	Rotary Knob Assembly	2
CHASSIS		
141-2-311T-12901	Chassis	1
141-2-312T-10600	Sub Chassis	1
123-2-445R-01400	Cushion, Power & REC Lamp	2
141-2-852T-21800	Spring Wire, R/P Switch	1
141-2-841T-06800	Lever, R/P Change	1
141-2-462T-26200	Boss, R/P Change Lever	1
	Spring Pin 3x22mm, Plunger	1
	Graphite Nylon Washer 4.6x7.2x0.25 mm	1
141-2-851T-69500	Spring Coil, Plunger	1
141-2-377T-11600	Bracket, AMP P.C.B. Fixer	1
141-2-361T-09600	Bracket, VR Mtg.	1
141-2-365T-20800	Bracket, Power REC Switch Mtg.	1
141-2-143T-48300	Marking Plate, Terminal Plate	1
141-2-367T-20200	Bracket, Socket, MIC Mtg.	1
141-2-367T-20300	Bracket, Socket, Earphone	1
141-2-464T-11800	Fixer, Power Supply Cord	1
141-2-161T-14400	Push Button, TEL REC	1
141-2-161T-09402	Push Button, Counter Knob	1
141-2-161T-15600	Push Button, Speed Control	1
141-2-363T-02701	Bracket, Mechanism Plunger Mtg.	1
141-2-143T-17300	Marking Plate, Voltage (TRC8000)	1
141-2-143T-46800	Marking Plate, Voltage (TRC 8000Z)	1
141-2-367T-21200	Bracket Socket, Voltage Select	1
141-2-417T-12200	Special Nut	1
ELECTRICAL PARTS		
4-251T-28700	Power Transformer (TRC 8000)	1
4-251T-30700	Power Transformer (TRC 8000Z)	1
4-151T-10300	Speaker	1
4-254T-11100	Input Transformer	1
4-254T-09100	Output Transformer	1
4-231T-35571	R/P Changing Switch	1

NOTES: 1. Part orders must contain Model Number, Part Number and Description.
2. Unless otherwise noted, component parts indicated by parentheses in the column Q'ty are not available.
3. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

PARTS LIST

Key No.	Part No.	Description	Q'ty
ELECTRICAL PARTS			
	4-258T-02900	OSC Coil	1
	4-222R-00600	Semi Variable Resistor 100K/B	1
	4-222R-28300	Variable Resistor, Speed Control 300/B	1
	4-222T-13400	Variable Resistor, Volume 10K/A	1
L1	4-253T-01015	Choke Coil 15mH	1
	4-235T-20800	Socket, MIC	1
	4-612T-03503	Lamp, Power Supply, & REC Indicate	2
	4-231T-09800	Switch, Power Supply	1
	4-231T-15600	Switch, Speed Control	1
	4-235T-05100	Socket, Earphone & AUX	2
	4-231R-14500	Switch, SP ON/OFF & Dictate/ Confe.	2
	141-2-382T-00700	Terminal Clip	1
	141-0-022T-00300	Plug Assembly (TRC 8000)	1
	4-236T-01300	Plug, Voltage Select	1
	141-2-143T-17300	Marking Plate	1
	141-0-022T-00200	Plug Assembly (TRC 8000Z)	1
	4-236T-01300	Plug, Voltage Select	1
	141-2-143T-46800	Marking Plate	1
	4-235R-16200	Socket, Voltage Select	1
	4-243R-00100	Power Supply Cord (TRC 8000 2wire Cord)	1
	4-243R-13301	Power Supply Cord (TRC 8000 3wire Cord)	1
	4-243R-75800	Power Supply Cord (TRC 8000Z)	1
	4-235R-11801	Socket, Siemense 2 pin type (TRC 8000 only)	1
	4-235R-11802	Socket, England 2 pin type (TRC 8000 only)	1
Q 1		Transistor 2SC644 or 2SC858	1
Q 2~Q 4		Transistor 2SC945 or 2SC828	3
Q 5,Q 6		Transistor 2SC1383	2
Q 7		Transistor 2SB185	1
D1		Diode1S188	1
D9		Diode 1S1210	1
ELECTRICAL PARTS (MECHANISM)			
	4-264T-03800	Solenoid, Record	1
	4-232T-01803	Relay, Auto Stop & Back Space	2
L2	4-253R-10100	Choke Coil 100μH	1
	4-236T-06000	Plug Side-way Type 8P	2
	4-236T-06200	Plug Vertical Type 8P	1
	4-236T-06300	Plug Vertical Type 7P	1
	4-236T-06100	Plug Side-way Type 5P	1
	4-236T-06400	Plug Vertical Type 3P	1
	4-235T-21800	Socket 3P	1
	4-235T-21900	Socket 5P	1
	4-235T-22000	Socket 7P	1
	4-235T-22100	Socket 8P	1
	4-231T-35600	Push Switch, TEL REC Switch	1
	4-231T-11903	Micro Switch, TEL REC Switch	1
	4-235T-02601	Socket, DIN Foot Switch	1
Q8~Q10		Transistor 2SC945	3
D6~D8		Diode 10D-2	3
D2~D5		Diode 10D-RV	4
		Rectifier DS131 or 10DC1	2
		SCR 1RC10	3
CAPACITORS			
C14		Ceramic 220pF ±20% 50WV	1
C2		Ceramic 470pF ±20% 50WV	1
C7		Ceramic 0.001μF ±20% 50WV	1
C1		Ceramic 0.0015μF ±20% 50WV	1
C8,16		Ceramic 0.0022μF ±20% 50WV	2
C17		Ceramic 0.0033μF ±20% 50WV	1
C3		Mylar 0.001μF ±20% 50WV	1
C13,21, 22		Mylar 0.01μF ±20% 50WV	3
C11		Mylar 0.0033μF ±20% 50WV	1
C6		Mylar 0.047μF ±20% 50WV	1
C10,12		Electrolytic 1μF +80 -20% 25V	2

Key No.	Description	Q'ty
CAPACITORS		
C15,18	Electrolytic 2.2μF +80 -20% 25V	2
C5	Electrolytic 22μF +80 -20% 16V	1
C9	Electrolytic 100μF +80 -20% 6.3V	1
C4	Electrolytic 100μF +80 -20% 10V	1
C19	Electrolytic 220μF +80 -20% 6.3V	1
C20	Electrolytic 330μF +80 -20% 10V	1
C23	Electrolytic 470μF +80 -20% 16V	1
CAPACITORS (MECHANISM)		
C35	Mylar 0.033μF ±20% 50WV	1
C28,29,30	Electrolytic 22μF $^{+80}_{-20}$% 16V	3
C24,25	Electrolytic 33μF $^{+80}_{-20}$% 25V	2
C27	Electrolytic 47μF $^{+80}_{-20}$% 10V	1
C33	Electrolytic 100μF $^{+80}_{-20}$% 16V	1
C26	Electrolytic 100μF $^{+80}_{-20}$% 25V	1
C31,34	Electrolytic 470μF $^{+80}_{-20}$% 16V	2
C32,36	Electrolytic 470μF +80 -20% 50V	2
C38,39,40	Electrolytic 1μF +80 -20% 50V	3
RESISTORS		
R24	Carbon 3.9 Ω ±10% 1/4W	1
R31	Carbon 8.2 Ω ±10% 1/4W	1
R33	Metal Oxide Film 8.2Ω ±10% 1W	1
R3,12	Carbon 10 Ω ±10% 1/4W	2
R28	Carbon 15 Ω ±10% 1/4W	1
R34	Carbon 33 Ω ±10% 1/4W	1
R18	Carbon 39 Ω ±10% 1/4W	1
R32	Carbon 100 Ω ±10% 1/4W	1
R5	Carbon 150 Ω ±10% 1/4W	1
R13,29	Carbon 330 Ω ±10% 1/4W	2
R30	Carbon 560 Ω ±10% 1/4W	1
R26	Carbon 1 KΩ ±10% 1/4W	1
R2	Carbon 1.2 KΩ ±10% 1/4W	1
R1,8,25	Carbon 2.2 KΩ ±10% 1/4W	3
R19,27	Carbon 2.7 KΩ ±10% 1/4W	2
R17,22,23	Carbon 5.6 KΩ ±10% 1/4W	3
R9,14	Carbon 8.2 KΩ ±10% 1/4W	2
R51	Carbon 10 KΩ ±10% 1/4W	1
R6	Carbon 12 KΩ ±10% 1/4W	1
R11	Carbon 15 KΩ ±10% 1/4W	1
R20	Carbon 33 KΩ ±10% 1/4W	1
R21	Carbon 56 KΩ ±10% 1/4W	1
R10	Carbon 82 KΩ ±10% 1/4W	1
R7,15	Carbon 100 KΩ ±10% 1/4W	2
R4,16	Carbon 680 KΩ ±10% 1/4W	2
R44	Carbon 6.8 Ω ±10% 1/4W	1
R36,37,46,48, 50,52	Carbon 1 KΩ ±10% 1/4W	6
R41	Carbon 1 KΩ ±10% 1/2W	1
R43	Carbon 1.5 KΩ ±10% 1/4W	1
R45,47,49	Carbon 3.9 KΩ ±10% 1/4W	3
R39,42	Carbon 4.7 KΩ ±10% 1/4W	2
R35	Carbon 22 KΩ ±10% 1/4W	1
R38	Carbon 27 KΩ ±10% 1/4W	1
R40	Carbon 220 KΩ ±10% 1/4W	1
SCREW MOUNTING		
	Screw, Pan Head 2x4 mm	2
	Screw, Pan Head 2x6 mm	4
	Screw, Pan Head 2x12 mm	2
	Screw, Pan Head 2.6x10 mm	2
	Screw, Pan Head 3x4 mm	5
	Screw, Pan Head 3x6 mm	22
	Screw, Pan Head 3x25 mm	2
	Screw, Pan Head 4x8 mm	2
	Screw, Flat Head 2x6 mm	1
	Tapping Screw 2.3 mm	1
	Tapping Screw 3x4 mm	1
	Tapping Screw 3x6 mm	22
	Tapping Screw 3x8 mm	5

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PARTS LIST

Key No.	Part No.	Description	Q'ty
SCREW MOUNTING			
		Tapping Screw 3 x 12 mm	5
		Nut 2 mm	1
		Nut 2.6 mm	3
		Nut 4 mm	3
		Speed Nut 2mm	2
		Washer 2.6 mm	1
		Washer 3.3x13x1 mm	2
		Spring Washer 4 mm	2
		External Tooth Lock Washer 2.6 mm	1
		External Tooth Lock Washer 3 mm	2
MECHANISM			
1	141-0-311T-01600	Chassis Assembly	1
2	141-0-312T-00500	Sub Chassis Assembly	1
3	141-2-811T-02600	Tape Counter	1
4	141-2-683T-22500	Ring, Tape Counter	2
5	141-2-564T-10800	Square Belt, Tape Counter	1
6	141-2-853T-30200	Spring Plate, Cassette Pressure	1
7	141-2-731T-22500	Brake Slide	1
8	141-2-852T-22500	Spring Wire, Brake Slide	1
9	141-0-741T-06800	Lever Assembly, Brake Operation	1
10	141-2-462T-27100	Boss, Lever Assembly (9)	2
11	141-2-741T-52000	Lever, Prevent Mis-recording	1
12	141-2-683T-09900	Ring, Lever (11)	1
13	4-231T-11903	Micro Switch, Record/Power/Play x 2	4
14	141-2-741T-52900	Lever, F.Forward	1
15	141-2-751T-56500	Shaft, Lever (14) & (43)	2
16	141-2-365T-19400	Bracket, Play & Stop Switch	2
17	4-231T-37000	Micro Switch, Play & Rewind	2
18	4-231T-11902	Micro Switch, Stop & Rewind Change x2	3
19	141-2-365T-19500	Bracket, Rewind Micro Switch	1
21	141-2-365T-19300	Bracket, Micro Switch Power & Play x2	2
22	141-2-457T-06100	Special Washer, Flywheel	1
23	4-231T-41400	Spring Switch, Rewind	1
24	141-2-564T-10700	Square Belt, Main Drive	1
25	4-231T-20401	Spring Switch, F. Forward	1
26	141-0-521T-02600	Flywheel Assembly	1
27	141-0-573T-00700	Bearing Assembly, Flywheel	1
28	141-2-411T-02601	Special Nut, Bearing Assembly	1
29	141-0-524T-01900	Flywheel Supporter Assembly	1
30	141-0-741T-06900	Lever Assembly, F.Forward Roller Lever	1
31	141-0-038T-00100	F. Forward Idler Assembly	1
	141-0-661T-01000	├Pulley Assembly	(1)
	141-2-661T-17600	├Pulley	1
	141-2-452T-01100	├Felt Washer, Forward Slip	1
	141-2-851T-45000	├Spring Coil	1
	141-2-457T-06600	├Washer 5.2x12x1 mm	1
	R-Y605000	├Stopper Ring	1
		└Graphite Nylon Washer 7x10x0.5mm	1
32	141-0-741T-07000	Lever Assembly, F.Forward	1
33	141-2-462T-27200	Boss, Lever Assembly (32)	2
34	141-2-851T-31600	Spring Coil, Slide (46) Returning	1
35	141-0-741T-07100	Lever Assembly, Rewind Roller	1
36	141-0-662T-00500	Roller Assembly, Rewind	1
37	4-264T-03900	Solenoid, Rewind	1
38	141-2-851T-02800	Spring Coil, Solenoid (37)	1
39		Spring Pin, Solenoid (37)	1
40	141-0-741T-07200	Lever Assembly, Rewind/Forward Operation	1
41	141-2-365T-19600	Bracket, Rewind Change Switch x 2	1
42	141-2-747T-06000	Bracket, Rewind Operation Lever	1
43	141-2-741T-53300	Lever, Rewind Operation	1
44	141-2-851T-66600	Spring Coil, Lever (43)	1
45	141-2-852T-24100	Spring Wire	1
46	141-2-731T-23100	Slide, Rewind Operation	1
47	141-2-462T-27400	Boss, Slide Guide	1
50	141-0-747T-00700	Bracket Lever Assembly, Forward Operation	1
51	141-0-741T-08600	Lever Assembly, F.Forward Operation	1
52	141-2-851T-66700	Spring Coil, Lever Assembly (51)	1
53	141-2-851T-46900	Spring Coil, Lever Assembly (30)	1
54	141-2-851T-40900	Spring Coil, Lever Assembly (35)	1
55	141-0-731T-05200	Head Slide Assembly	1
56		Steel Ball 3.2 mm	5
57	141-2-683T-22600	Ring, Head Slide Assembly	2
58	141-0-545T-00100	Pinch Roller Assembly	1

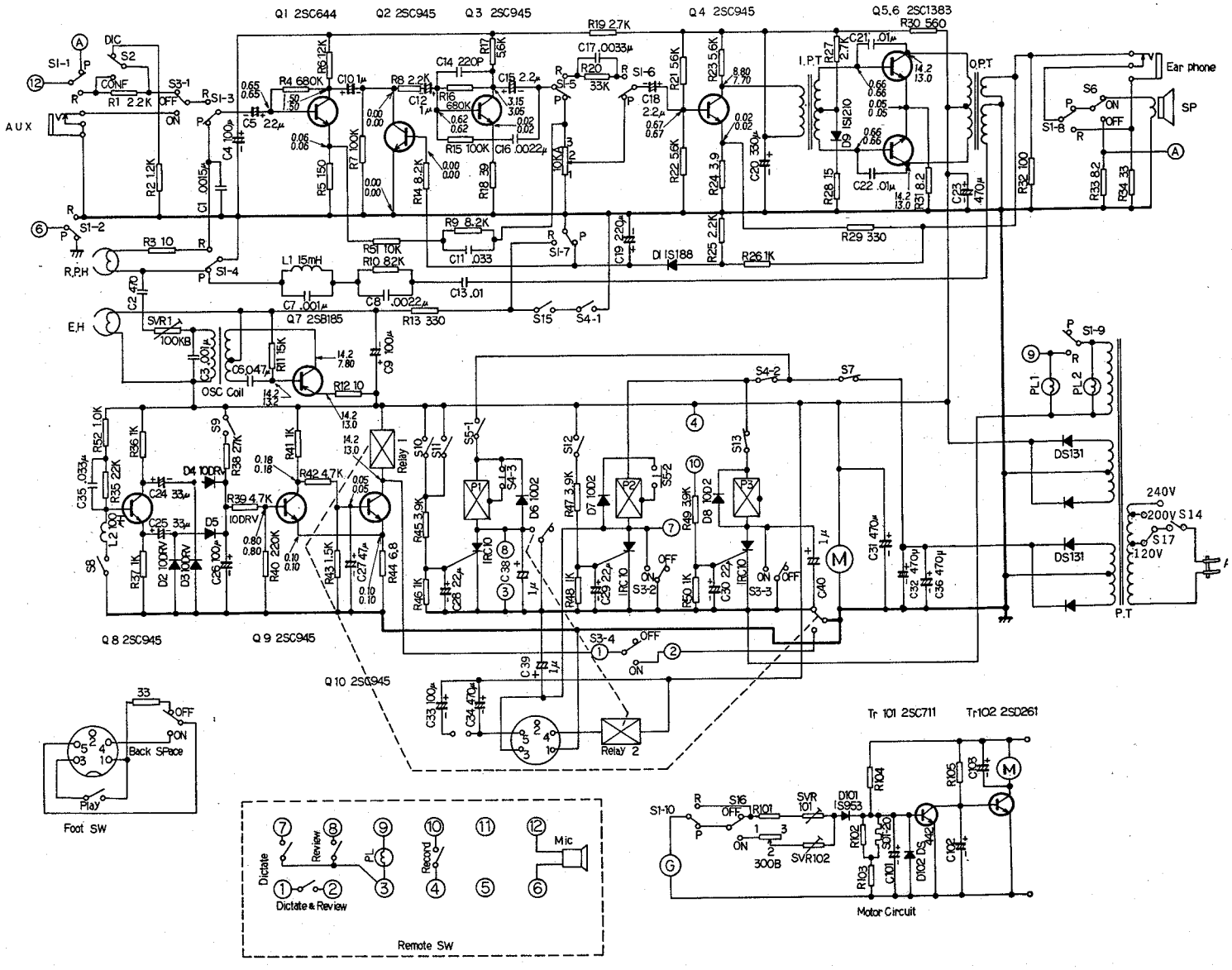
Key No.	Part No.	Description	Q'ty
MECHANISM			
59	141-2-851T-66900	Spring Coil, Pinch Roller	1
60	141-2-461T-07900	Pipe, Record-Play Head	1
61	141-2-851T-54500	Spring Coil, Record-Play Head	1
62	4-242T-12000	Record-Play Head	1
63	141-2-472T-02200	Lug, Head Lead Retaining	1
64	141-0-731T-05300	Slide Assembly, Erase Head	1
65	141-2-731T-22700	Slide, Erase Head Operation	1
66	141-2-462T-27600	Boss, Erase Head Slide Guide	2
67		Steel Ball 2mm, Erase Head Slide	4
68	141-2-683T-22700	Ring, Erase Head	2
69	4-242T-12101	Erase Head	1
70	141-2-853T-30300	Spring,Plate, Erase Head Slide Right	1
71	141-2-853T-30400	Spring Plate, Erase Head Slide Left	1
72	141-2-747T-05600	Bracket, E Head Lever & Rewind Lever	1
73	141-2-747T-05700	Bracket, E Head Lever & Rewind Lever	1
74	141-2-751T-56900	Shaft, Erase Button	1
76	141-0-050T-01700	Push Button Assembly, Erase Head	1
	141-2-611T-06600	Lever	(1)
	141-2-161T-16000	Push Button	1
77	141-2-851T-66800	Spring Coil, Push Button Lever (76)	1
78	4-231T-37100	Spring Switch, Erase	1
79	141-2-731T-23300	Slide, Brake Operation	1
80	141-2-853T-30700	Spring Plate, Head Slide Operation	1
81	4-264T-03700	Solenoid, Play	1
82	141-0-741T-07300	Lever Assembly, Take up	1
83	141-2-661T-17201	Pulley, Take up	1
84	141-2-851T-66300	Spring Coil, Take up Pulley	1
85	141-2-457T-06900	Special Washer, Spring Coil (84)	1
86	141-2-851T-54400	Spring Coil, Head Slide	1
87	141-2-851T-51300	Spring Coil, Erase Head Slide	1
88	141-2-851T-67000	Spring Coil, Take up Lever (82)	1
89	141-2-751T-57800	Shaft, Solenoid (81)	1
90	141-0-535T-00700	Bracket Assembly, Reel Plate	1
91	141-0-531T-01800	Reel Plate Assembly, Take up	1
92	141-0-531T-01900	Reel Plate Assembly, Supply	1
93	147-2-764T-00401	Brush, Detector Circuit	1
94	141-2-135T-26300	Cover, Detector Brush	1
95	4-527T-06100	DC Motor	1
96	141-0-047T-00100	Motor Pulley Assembly	1
	141-2-661T-66700	├Motor Pulley	(1)
		└Head-less Screw 2 x 4 mm	1
97	141-2-378T-05700	Bracket, Motor	1
98	123-2-445R-01400	Rubber Cushion, Motor	2
99	141-2-421T-08300	Order Screw, Motor	2
100	141-2-377T-11700	Bracket, Motor Governor P.C.B.	1
102	141-2-472T-01000	Lug, Lead Retaine	6
	4-235T-22100	Socket, Mechanism Lead	2
Y 1		Screw, Pan Head 2 x 6mm	1
Y 2		Screw, Pan Head 2 x 8mm	7
Y 3		Screw, Pan Head 2 x 10mm	7
Y 4		Screw, Pan Head 2.3 x 10mm	1
Y 5		Screw, Pan Head 2 x 14mm	4
Y 6		Screw, Pan Head 2.6 x 4mm	2
Y 7		Screw, Pan Head 2.6 x 5mm	18
Y 8		Screw, Pan Head 3 x 16mm	1
Y 9		Screw, Pan Heqd 2.6 x 8mm	3
Y10		Screw, Pan Head 2.6 x 12mm	1
Y11		Screw, Pan Head 2.6 x 14mm	1
Y12		Screw, Pan Head 3 x 4mm	4
Y13		Screw, Pan Head 3 x 6mm	11
Y14		Screw, Pan Head 3 x 8mm	2
Y15		Screw, Flat Head 2.6 x 6mm	2
Y16		Screw, Flat Head 2.6 x 8mm	1
Y17		Tapping Screw 2.3 x 6mm	1
Y18		Tapping Screw 3 x 6mm	6
Y19		Washer 2.6 x 7.5 x 0.5mm	7
Y20		Washer 3 x 8 x 1mm	2
Y21		Spring Washer 2mm	3
Y22		Spring Washer 2.6mm	2
Y23		Internal Tooth Lock Washer 2.6mm	1
Y24		External "E" Ring 1.5mm	7
Y25		External "E" Ring 1.9mm	1
Y26		External "E" Ring 2mm	1
Y27		External "E" Ring 2.3mm	3
Y28		External "E" Ring 3mm	1
Y29		Stopper Washer 2mm	1
Y30		Graphite Nylon Washer 2 x 4 x 0.25mm	7
Y31		Graphite Nylon Washer 2 x 4 x 0.5mm	1

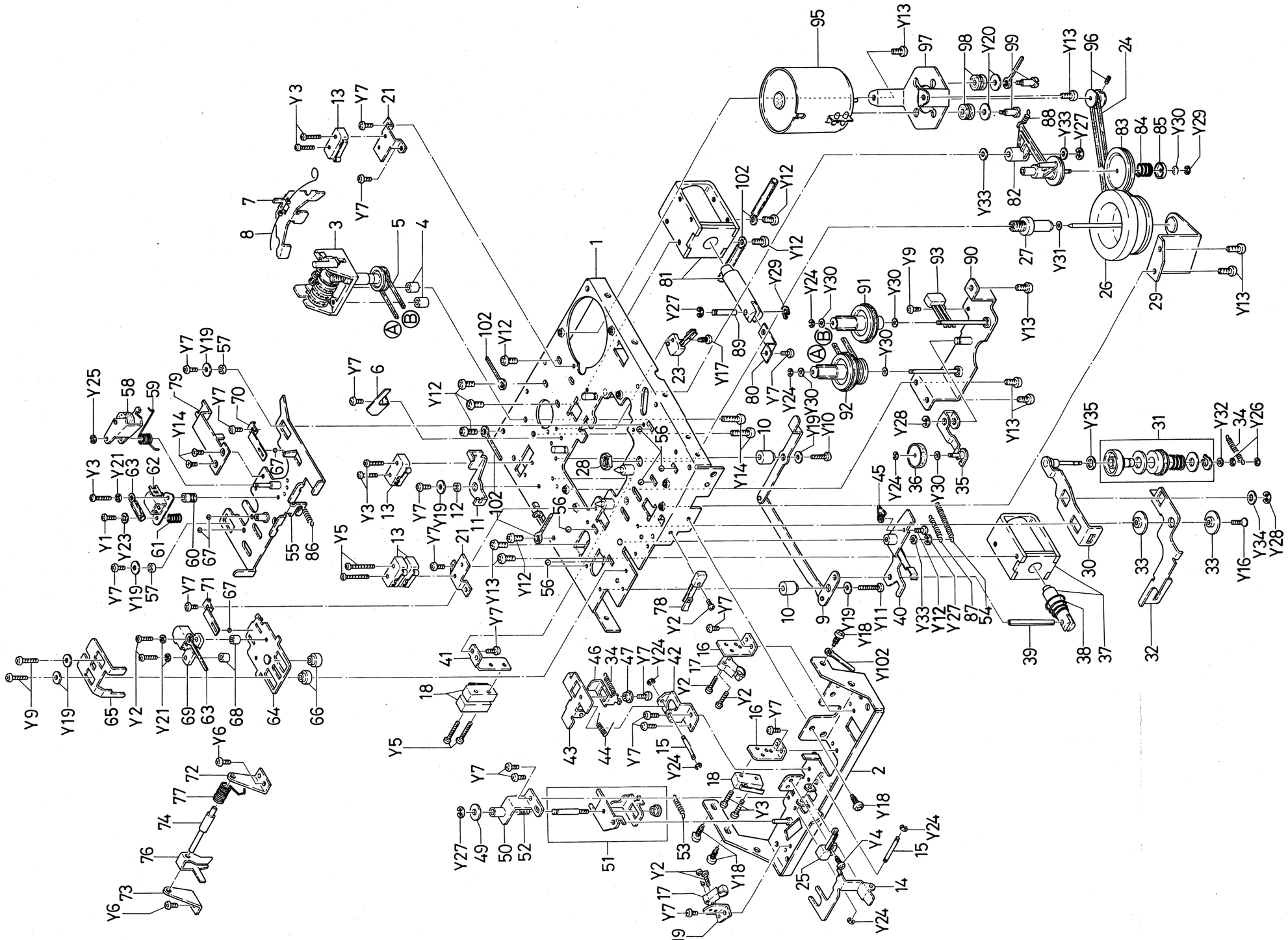
NOTES: 1. Part orders must contain Model Number, Part Number and Description.
2. Unless otherwise noted, component parts indicated by parentheses in the column Q'ty are not available.
3. Ordering quantity of screws and/or resistors must be multiple of 10 pcs.

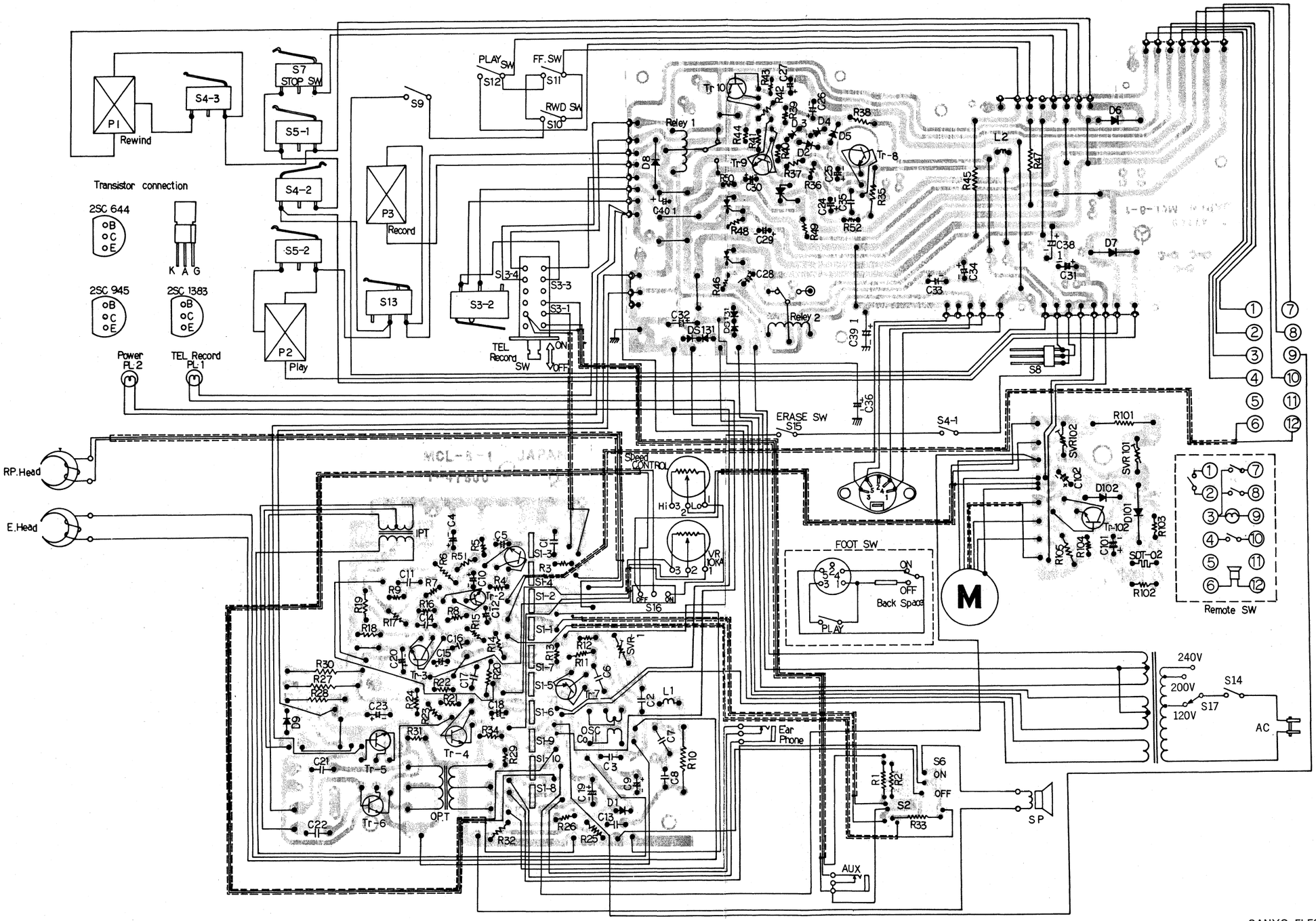
PARTS LIST

Ref. No.	Part No.	Description	Q'ty
MECHANISM			
Y32		Graphite Nylon Washer 2.5 x 6 x 0.25mm	1
Y33		Graphite Nylon Washer 3 x 6 x 0.25mm	3
Y34		Graphite Nylon Washer 4 x 8 x 0.5mm	1
Y35		Tapping Screw 3 x 4mm	3
Y36		Nut 3mm	1

SCHEMATIC DIAGRAM







	Tr-101			Tr-102			Tr-103			Tr-104			Tr-105		
	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E
PLAY BACK	0.6V	1.6V	0.002V	0.6V	1.08V	0V	0.7V	5.0V	0.05V	0.6V	1.65V	0.002V	0V	0V	0V
RECORDING	0.6V	1.0V	0.002V	0.6V	1.04V	0V	0.7V	4.8V	0.05V	0.6V	1.0V	0.002V	0V	0V	0V

	Tr-106			Tr-107			Tr-108			Tr-109			Tr-110		
	B	C	E	B	C	E	B	C	E	B	C	E	B	C	E
PLAY BACK	0.6V	1.05V	0V	0.65V	4.2V	0.05V	5.8V	0.006V	5.95V	5.8V	0.002V	5.95V	5.1V	5.1V	5.3V
RECORDING	0.6V	1.02V	0V	0.65V	4.2V	0.05V	5.8V	0.006V	5.95V	5.8V	0.002V	5.95V	0.1V	0.006V	2.1V

S101 ... S109 : RP SW.
S110 ... S111 : MONO/STEREO & MIC ON/OFF SW.
S112 ... S113 : TONE SW.
S114 ... S118 : RADIO ON/OFF SW.
S119 ..... : POWER SW FOR AMP. & MOTOR.
S120 ..... : BEAT CANCEL SW.
S121 ..... : STERO TAPE TAPE SW.
S122 ..... : VOLTAGE SELECTOR SW.

SANYO ELECTRIC TRADING CO., LTD.
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OSAKA, JAPAN.

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MODIFICATION NOTICE

MEMO-SCRIBER

SANYO

TRC 8000	TRC 8600
TRC 8000A	TRC 8060E/Z
TRC 8000 (CANADA)	TRC 8010
TRC 8000A (CANADA)	TRC 8010A
RRC 8000Z	

Date Apr. 16, 1979 Issued by _____

The following corrections should be made in the SERVICE MANUALS and PARTS (PRICE) LIST.

		Section	Key No.	Part No.	Description	Q'ty	Remark	Reason
1	From	Accessory		4-152T-02800) or 4-152T-03300)	Earphone	1		A
	To			4-152T-01900A	" (RB 6500)	1		
2	From							
	To							
3	From							
	To							

INTERCHANGEABLE ~~NOT INTERCHANGEABLE~~	Serial No. Chassis No.	Effective from
Q'ty of initial production before modification.	Identification of modified unit.	

REASON FOR MODIFICATION

A ..... Standardization
B ..... Change of materials
C ..... Improvement of reliability
D ..... Improvement of performance
E ..... Miss print
F ..... Miss register
G .....

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OSAKA, JAPAN

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